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December 12, 2006

Mr. Thomas Goode
General Counsel
Association for Telecommunication Industry Solutions
1200 G Street, NW
Suite 500
Washington, DC 20005

Dear Mr. Goode,

Pursuant to the ATIS Operating Procedures Section 10.4 regarding the disclosure of intellectual property included in ATIS standards, Verizon would like to make the following disclosure relative to the work being done in the IPTV Interoperability Forum (IIF) DRM Working Group, and in particular to contribution IIF-DRM-2006-530R1 submitted by Muxiang Zhang of Verizon.

In contribution IIF-DRM-2006-530R1, Verizon proposes the use of the Advanced Encryption Standard (AES) in Cipher Block Chaining (CBC) mode as the basis of a common scrambling algorithm for scrambling and descrambling of MPEG transport stream packets. Specifically, the proposed common scrambling algorithm specifies a method for generating unpredictable initialization vectors used by AES CBC mode. The proposed common scrambling algorithm also specifies methods for scrambling and descrambling of short blocks less than 128 bits, as well as solitary termination blocks less than 128 bits.

Verizon has filed a patent application with the United States Patent and Trademark Office in which the common scrambling algorithm for scrambling and descrambling of MPEG transport stream packets proposed in contribution IIF-DRM-2006-530R1 is described. Should Verizon be granted any patent as a result of this application, it is Verizon's intent to offer licenses under any claims contained therein that are essential to implement any finalized standard issued by the ATIS IIF DRM Working Group on a compensation-free basis, solely to the extent necessary to permit others to make, use, sell, offer for sale or import products that implement and are compliant with such finalized standard(s), and subject to requirements of reciprocal license grants on equivalent terms to Verizon from other contributors/implementers to any intellectual property essential to implement such finalized standard(s). Verizon reserves the right to impose additional license restrictions in order to provide a means for discouraging improper/illegal use of the common scrambling algorithm (for example, related to theft of service or copyright infringement).

Sincerely,

A handwritten signature in black ink, appearing to read "MA Wegleitner", with a long horizontal flourish extending to the right.